

What is claimed is:

1. A terminal table unit comprising:  
a main body including a control device; and  
5 a memory cassette which includes a memory medium and is detachably attached to said main body;  
said control device being adapted to receive input data from an input apparatus for controlling an output apparatus and to drive said output apparatus according to said received input data, said control device serving to cause said input data from said input  
10 apparatus to be stored on said memory medium.
2. The terminal table unit of claim 1 wherein said main body has a connector and said memory cassette is connected to said main body through said connector.
- 15 3. The terminal table unit of claim 1 wherein said main body further includes a memory device, said control device being adapted to cause said memory device to periodically store new portions of said input data.
4. The terminal table unit of claim 3 wherein said memory medium of said  
20 cassette stores input data taken in from said memory device.
5. The terminal table unit of claim 3 wherein said input data are a periodic signal and said control device is adapted, when abnormal data are detected in said input data, to use said abnormal data as a trigger and to thereby read out from said memory  
25 device and cause to be stored on said memory medium a portion of a specified number of periods of said input data including a portion of said input data before said trigger is detected.
6. The terminal table unit of claim 5 wherein said specified number of  
30 periods of input data includes one period of said abnormal data and one period of said input data before said trigger is detected.

7. The terminal table unit of claim 5 wherein said memory device is adapted to store said input data in units of two periods under a control of said control device.

5 8. The terminal table unit of claim 1 wherein said input apparatus includes a PLC connected to a network and switches, said terminal table unit serving as a relay between said PLC and said switches.

9. The terminal table unit of claim 1 wherein said control device is adapted  
10 to monitor the number of times control signal based on said input data is switched on.

10. The terminal table unit of claim 1 wherein said control device is adapted to monitor cumulative length of time during which control signal based on said input data is switched on.

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11. The terminal table unit of claim 3 wherein said memory device further serves to store basic data with specific patterns and said control device further serves to compare said input data with said basic data.